COMING EVENTS
Pensacola Ham-A-Rama, Sept. 2nd
Melbourne Hamfest, Sept. 7-8-9
Tampa Hamfest, Oct. 7th
Broward Hamfest, Oct. 20 & 21st
Ft. Myers Hamarama Nov. 3 & 4th
Clearwater Convention, Nov. 17 & 18th
Belle Glade Hamfest, Dec. 9th.
1 9 8 0
Orlando Hamcation, Jan 4-5 & 6th
Sarasota Hamfest, Jan. 19 & 20th
Miami Hamboree, Jan. 26 & 27th
Pinellas Park Hamfest, Feb. 17th
Ft. Walton Beach Swapfest Mar. 22-23
Did we miss anyone? ? List early. Ed.

florida SKIP

NON-PROFIT CORPORATION

VOL 23 No. 4 THE ALL-FLORIDA AMATEUR RADIO AMATEUR'S PUBLICATION September/1979 Price 40c

VIDEO-TAPE TVI?

By Dr. W.R. Staples, W4SME

The story goes this way: The BARS Public Relations representative had made arrangements with several local TV stations to visit the BARS, Field Day site. Both stations had agreed to give us Mini-Cam coverage as in prior years for the 6 p.m. Sunday News.

When Sunday afternoon arrived, one TV station was confronted with technical problems with their remote Minicam equipment. One no show!!

The other station dispatched its news people to interview and video-tape. For some reason, still a mystery to the TV Station News Director, the news crew ended up at another Jacksonville location where a Field Day group was operating. The news crew set up their video-tape recorders and proceeded to tape the activities. When this crew returned to their station to preview the tape prior to 'air time' they learned some rather startling facts! First, they were informed that they had gone to the wrong location and second, upon viewing the tape, they found every foot of the video tape was virtually obliterated by horizontal lines and cross-hatching!

While the news crew stood scratching their head, the TV station engineer, who incidentally is a licensed amateur, informed them that they had a bad case of "VIDEO-TAPE RECORDER TVI!"

When the TV station called BARS Public Relations representative and told him the story, we at BARS began to wonder if NOFARS can be credited with a FIRST???? First case of Field Day Video-Tape Recorder TVI???? In any event, we are wondering if NOFARS is still trying to figure out what happened to their TV coverage?

REPORTER/HAM MUGGED

By Geo. L. Thurston, W4MLE

Ed Hula, the reporter-producer for Florida Public Television who produced nightly half-hour reports on the Chi Omega Murder trial in Miami, is also known as AA4EH.

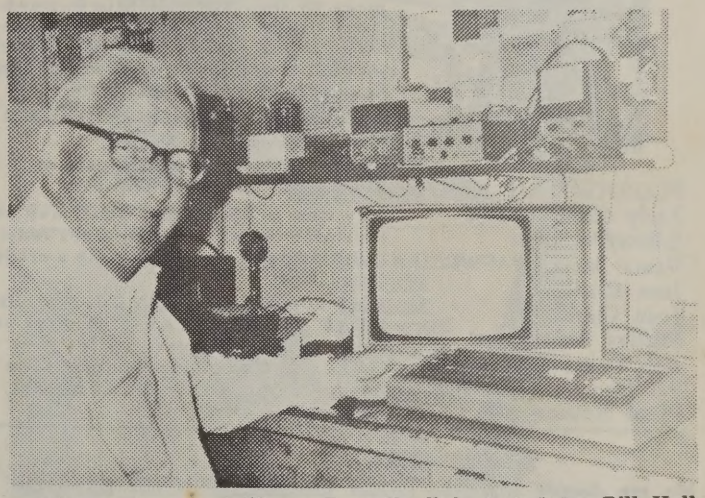
Hula, whose home is Tallahassee, operates HF and two meter FM as well as video tape recorders and mixers. He distinguished himself in Miami by getting mugged during the second week of the trial and displayed a glorious shiner for the next couple of weeks of his reports.

The mugger, who has never been caught, cost Hula his bicycle and six stitches under his eye.

Ed says he operates mostly 15 and 20 meter cw and rarely touches a mike — except on two meters and television.

KZ5's WILL CEASE

CANAL ZONE will cease to be a separate country at the end of September, under the recent U.S./Panama treaty. After that, all KZ5s will have to qualify for an HP1 license to stay on the air. (HR REPORT 7;6/79)



A NEW method of "Brass Pounding" is tested by Bill Halligan W4AK/W9AC in his northern shack on Gold Coast Lake Shore Dr., Chicago as a pre-check of the TRS-80 Grand prize slated for the 1979 National QCWA Convention, Chicago Sept. 7-8-9 Hope to see you there. (photo KA9DYS)

CO-AX CABLE FACTS IN A NUTSHELL

Compiled by T. H. Stahl, W8MO

Item 1. The outer jacket on co-ax cable is very important in determining what the life span of the cable is. Cable with vinyl jackets come in two types: Class 1 — contaminating type originally used on cables such as RG-8/U, RG-58/U and RG-58/U. This jacket material when manufactured is kept flexible by incorporating a plastisizer or extender. Unfortunately, as soon as the cable is jacketed, the extender starts to move from the jacket thru the shield braid into the polyethylene insulation around the center conductor. This causes the polyethylene to change its insulation characteristics with increasing electrical losses. These losses can be readily measured after a year or two. Thus the oldercable, particularly surplus cable that is old, is no great bargain at any price.

Item 2. Later cables have used what is called a Class 2A jacket. This material is long lived, abrasion resistent, not damaged by sunlight, it can be buried for underground use, and best of all is non-contaminating to the polyethylene center conductor insulation. All of these advantages add up to a useful life for the cable of 10 to 20 years (how does that sound?) and the Class 2A jacketed cable has not, I repeat, has not increased the cost of the cable to us, the amateur using co-ax cable. Examples of these cables are RG-213 replacing RG-8, RG-58C/U replacing RG-58/U, RG-58B/U replacing RG-58/U, etc.

SKIP TO BACK PAGE

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SILENT KEYS

We are deeply sorry to report the passing of the following amateur radio operators.

WA4FJA	Leonard Kelly	Jacksonville
WB4SRU	Carl Blackburn	Palm City
W4FLH	Edmund Hunter	Miami
W4DEP	B. G. Lowrey Smith	Miami/Old HickoryTN
ex-W4IJI	George W. Jerguson	Miami
W4KRU	George Hambacker	Miami
K4OZ/W3ANJ	Walter L. Godwin	Melbourne
W4SNW	Raymond S. Rancs	Deerfield Beach
W4ZH	Lyndon K Beckett	St. Augustine

EX CALLS

Here are more ex-calls. Have you sent in yours? ? Editor

W3OH	ex	W3DFD	W4PTJ	ex	W2HLF W5GXH
W4OFI	ex	W2MIB	K4KCF	ex	K2EDZ
WB4TWV	ex	KN9ZDF	WB4SHS	ex	KP4AEB
		K9UTF	AC4M	ex	WB4EAZ
W2CNZ	ex	W4DBA	AI4U	ex	K2SSE K3ICM
		K9UQX			WB8IAR WB4LQI

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GUEST EDITORIAL
THE UNSUNG HEROES OF HAM RADIO
By Roy Scott, W4UHF

If you are looking for a unique experience, try conducting a class of instruction in Amateur Radio. Not everyone can do it, for you may have an excellent technical background and all the necessary qualifications, but you may lack that elusive gift of being able to "get it across" so that what would otherwise by confusing mumbo-jumbo to the student, suddenly turns on a light in their minds and it all becomes quite clear.

Most ham clubs, at one time or another, endeavor to put on classes in Amateur Radio, in most cases a Novice Class. When it is presented on the floor, the membership is all for it and an Educational Committee is duly appointed to get it under way. And that, is generally the end of membership participation in the Novice Class. The work of finding a suitable location for holding the classes, and the preparation of material for both code and theory instruction is left to the two or three individuals who comprise that committee. These dedicated members then devote a great deal of their time to instruction of the class and to bring it to a successful conclusion about eight weeks later.

For some unknown reason, club membership will shun even dropping in to see how the class is progressing and to lend moral support to the instructors.

Ham radio in all likelihood would never have reached its present numbers had it not been for the untiring efforts of this small group who pass on to others the mysteries of electronics and the marvel of communicating with dits and dahs.

We salute all of you who have introduced to so many, the greatest of all hobbies — Amateur Radio.

Letters To Editor

Editor:

The soap opera of Sunny Irons, VP5SI, continues.

This personable, but irresponsible individual has offended the Turks and Caicos Island Government and, as a result, his Amateur license was revoked ! !

This is NOT the type of behaviour that U.S. Citizens should condone as repayment to foreign governments for their considerate courtesy of extending reciprocal amateur radio operating privileges.

Further Irons received a cryptic message on a well known 40 meter ssb net, "It's time to leave..." Within an hour Irons was completely gone, illegally, without clearing customs outbound.

Within a short time there was a $30 million drug bust on Turks and Caicos! !

It might be important for maritime mobile hams to note that VP5 /MM licenses are good ONLY in the territorial waters of Turks and Caicos Islands. They are not EVEN valid on the high seas, and definitely NO THIRD PARTY TRAFFIC! !

73

Ham Robinson, W4ZR – OO ARRL

Dear Andy:

Just a note to let SKIP readers know that this year's Pinellas park Boys Club Hamfest will be held on Feb. 17, 1980. We have chosen again the first Sunday after Valentines Day. We are staying with one day format, but may have a Saturday night bog and gabfest with live band for exercizing those cramped muscles.

Thanks for listing us in your coming events box. This is not put on by the above club alone, altogether it is the coordinating focal point. All amateurs are welcome to assist for the betterment of amateur radio.

73,

Linda M. Astolfi, WB4FYU, Sec. PARS.

Editor:

I wish to reply to the Guest Editoral that appeared in Aug. 1979 issue of Florida skip.

In the first par gra h h made r f r n e to h eritol Net

In the first paragraph he made reference to the Geritol Net which apparently meets on 3706 kHz.

In the second paragraph he indicates that Extra Class Amateur use this frequency to work states not already acquired by the individuals. It is hoped that the work Novices also as this is their portion of the 3.5 to 4.0 MHz band.

I am wondering why they did not form this net in their EXCLUSIVE portion of this band. I am quite aware that they have use of ANY frequencies alloted to the Amateurs and am not jealous of their achievement as I am former holder of a Claaa A ticket, but why pick on the Novice portion for their net? ? It is crowded enough with those trying to make the grade to General and higher.

73

G. M. Hanna, W4HS, Zephyrhills, FL 33599

EDITOR:

Some friends of mine are interested in obtaining an Amateur Radio Operators license. I would appreciate if you could help me in finding a club who holds classes for that purpose. (Miami area.) Thanks you for your kind cooperation.

Leo Oster
4415 N. Bay Rd.
Miami Beach, FL 33140

(Can anyone help Leo? - Editor)

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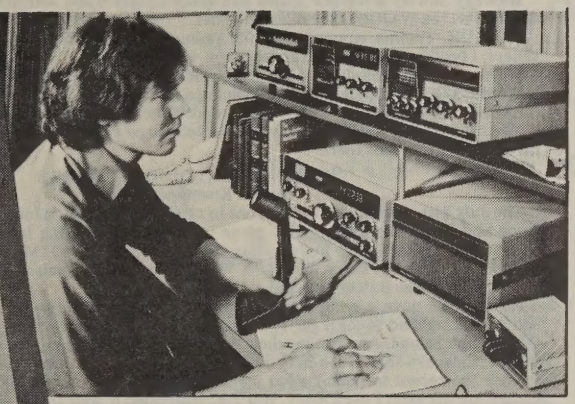

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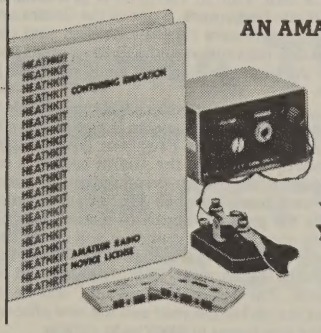

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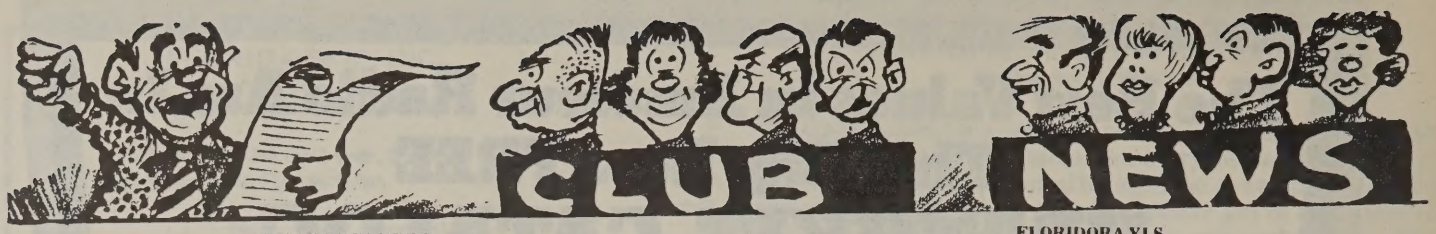

STATE QCWA NEWS

Edited by Eli Nannis, K4JMH

The QCWA Director, 1979 Issue has been printed and you will probably have it before you read this column. The total cost with mailing will approach $15,000 and it is financed out of QCWA dues payments. it is entirely possible that this will be last directory financed in this manner. The full job contained 1.5 million printed sheets and the paper weighed approxiamtely 9,400 pounds. Wow . . .

By the time you read this column, the votes will probably have been counted. I hope that every member made an effort to vote. At the time I am writing this, 3500 votes have been received and we are hoping for more than 4000.

We need a chapter to sponsor the 1980 QSO party. How about it, any of you Florida chapters interested? Headquarters is thinking of producing a 5 to 15 minute film telling the story of amateur radio and the part QCWA members have had in it. It could be shown at QCWA booths at conventions around the country as well as club meetings. They want your ideas on this. We have two new chapters, No. 115 the Chattanooga Chapter and No. 116 the Central Virginia Chapter.

The QCWA annual meeting is going to be held at the Chicago Convention on September 7, 8 & 9, 1979. This is going to be a big one, so why not plan to attend. Further information in the summer edition of QCWA News. There are chapters meeting during the summer and not reporting. Come on fellows, send me the news.

GATOR CHAPTER: The attendance at our social meeting on July 7th was 39. Vern Parks, K4IGO had a heart attack and was in the hospital for 10 days. He is doing well now but he resigned as a Board Director. Ed Powers, W4BUB is now the coordinator for our chapter and the Clearwater Convention Committee and he advised that this convention will be bigger and better than ever. Lots of good prizes, big flea market and many special events. Your editor will M.C. the QCWA luncheon at the convention. Visitors at this meeting were Walt Wentworth, W4PWB and his XYL, Edna, K4CSC. Walt was a well known square dance caller and he and Edna published a book listing all the different square dance calls. They are now retired. Russ Chappell, K4HI and XYL will be leaving for Michigan soon. Barney Barnard, K4NB, has recently returned from Pennsylvania. This Gator really gets around. Cappy, AA4MF has a new Ten Tec Century 21, CW only. Dave, W4GQ has a new mike and he sounds fine. Our President, Harry Cole, W4DLL, has a new Wilson 2 meter HT and is he having a ball with it. Harry is a professional photographer and he is going to have the HT built into his camera. Some of the Gators are going to the Jacksonville Hamfest on August 4, 5. We were recently notified that the President Harry Gartsman, W6ATC, will attend this convention and will have breakfast with QCWA members on Sunday. I attend the Jacksonville Hamfest each year and it continually gets better.

Reported by Eli Nannis, K4JMH

SPACEPORT CHAPTER: The July meeting was held at the Sweden House in Merritt Island on the 14th. 15 members and 7 guests were present. President Glenn Diggs welcomed the wives. Gil Kaat, W4DJO, who moved here from the Miami area was introduced. An article in the "Today" newspaper regarding deregulation of communications by FCC Chairman Charles Ferris was discussed as to what effect it would have on amateur radio. It was decided to review the proposal and draft a resolution for review at the next meeting. It was agreed to hold meetings every other month on the 2nd Saturday. Locations would be Titusville, Merritt Island or Melbourne. The September meeting will be held in Melbourne to coincide with the hamfest. Sam Ashdown will be called on to make the necessary arrangements. The November meeting will be in Titusville. There will be an election of officers at the end of the year and the new officers will plan future meetings. The National QCWA Net now meets at 2000Z on 21,447Khz.

Reported by Fritz Fredrickson, K4JFP

GATEWAY CHAPTER: Gateway chapter had 13 members and 8 guests at its July luncheon meeting. The meetings are held at Uncle John's Pancake House at University and Beach Blvds. the 3rd Saturday of each month at noon. We have 2 new YF members, Maxine Dixon, K4KUU and Florence Bogardus, W4HRC, known as "Little Bo."

The Chapter net frequency has been moved to 7230Khz at 11:00 a.m..on Saturdays except on luncheon meeting day. Gateway Chapter gave honorary membership to Ernie Vordermark, W4LF who is unable to attend meetings. Cliff MacDonald lost his YF, Bertha in June. You'all come see us at the Jacksonville Hamfest, August 4 and 5.

Reported by James Dixon, W4JL

Citrus Chapter Section Chief's are: W4PI - Bill Waldo, Orlando area; W4CLJ - Jess Price, Orlando area, assistant; W4YPA - Jack Six, Volusia area; W4PEI - Carl Schaal, Lake County.

Good progress is being made towards our coming 2 meter repeater project.

We gained one new member making our total membership at 94.

We welcomed two young ladies from Porta Prince, Haiti. They are the granddaughters of W4AJX, our Secty/Treasurer.

In all a pleasant meeting with good attendance.

Ernie Sailor, K4HXP, Corres. Secty.

KNIGHTS OF THE KILOCYCLE

"The Golden Mike Society"

By Philip A. McMasters, W4BCZ

W4KOH, Ernestine, wants to thank all those who have prayed for her recovery, the Lord has granted the petition and she is home and on the way to recovery. The cost of the new three color membership certificate has been met by donations of members and an excess has been turned over to the sickness fund.

W4BCZ monitors the Florida Phone morning net and the Tropical at 5 p.m. every day to receive any messages regarding those seeing a doctor so he can send them our special get well card for Knights. W4DVR, our Chaplain, had to be sent one recently, however, the Naval Hospital in Orlando has him back on the air, sounding good as usual.

We averaged thirty check-ins this past month, hope to have even more of the old timers back by the time December 25 comes bringing the end of this fifty years of net operation.

We have some of the youngest acting calendar aged members in the world and also some new Hams. Gil, WB4QPW, former M.O. calls in most regularly from White Sulfer Springs, W. Va. W4BCZ got a new SUBURU BRAT for his 70th birthday and has it converted to a mobile station already, before we get a storm of the hurricane variety. 4WH drive should make it able to go anywhere it might be needed.

Almost forgot that member no. 202 Blanch Randles, W4GXB was elected president of the YLRL. She is the YF of W4COW Wes.

FLORIDORA YLS

By Cathy Soehl, W4BAV/ARNS

As I write this column, the Jacksonville Hamfest is in progress & we hope it is a good one, as usual, and many of the Floridoras will be there. Regret I had to miss it.

WB4RLV, Bebe, flew her own plane to the Addison Airport, in Dallas, where she was met by KA5AZT, Mary, who she had met on the air, so now can put a face with the call & name.

N4APZ, Debbie passed her General Class License. Congrats! She & OM, WD4COL, John, visited John's dad, VP9JM, Bill, in Bermuda. Debbie boasts of being the smallest adult amateur in the U.S., at 83 lbs. & 4'11". Nice write up in SPARC-GAP.

W4WPD, Shirley & W4BAV, Cathy had a nice QSO recently with W4GAN, Melba and her OM, KM4N (ex-W4JOD). She misses the net.

WB4AUR, Thelma enjoyed a family reunion in Ohio; there were 52, including her 5 sisters, 1 brother and all the grandchildren, etc.

Welcome to new member KA4AYK, Coral Samosky, of Jensen Beach & looking forward to KA4BBA, Eldean Feiler, of Largo joining us.

K4BNG, Jane, Certificate Custodian, reports there have been 449 Floridora Certificates issued. She & OM, K4BNI, Dick went to Melbourne recently, to celebrate their 34th anniversary with friends there.

INDIAN RIVER RADIO CLUB NEWS

By Jim Kneeland, W4MFH

The July 24th meeting had 44 persons in attendance. Not bad for a hot summer night. A Swop and Swindle exchange took place in the bank's parking lot prior to the meeting. Quite a few visitors were in attendance, those being – W4OTM, Fred Hoffmans, Dave WD4OFE and his Xyl Mary, WD4NPK Ward, Ellen and Bill Nelson-KA4DMU and W4NPI. Walt Kohler, Jules Balcer and Geo. Hawkins.

Russ, K4YS gave a complete report on the workings of the upcoming Novice Class which is scheduled to start on Thursday Sept. 6 at 7 p.m. in room E-125 at the Merritt Island High School. Any one reading this notice, who may know of a budding ham – let that person know and "Get him to the class on time" . . . Course No. 0652.

After the recent tornado ripped up Cocoa Beach, the club is taking more interest in contacting the local Police Andy, W4PRK, suggested it, and Joe, WA4MMD is to follow up on it.

Paul Means, N4ADG, regaled the members present with his "Sea Stories", as a sea going radio-op. He got his first commercial ticket in 1926, when most of us were still wearing three cornered pants. He later on went to sea as op on the liner President Madison making trips between the Orient and the West Coast. He reports that the ship was slightly top-heavy due to the addition of an extra deck.

New members inducted were — John McDonald, WB4ZXS and Julian Balcer.

Meeting adjourned at 9.40 p.m. for coffee and donuts.

TAMPA BAY REPEATER ASSOCIATION

By Matt Paremske, N4BLM

After a couple of years with an expired charter, T.B.R.A. will once again be incorporated. The filing of the charter will take place after approval of the By-Laws at the September meeting.

The Florida Gulf Coast Amateur Radio Council requested the assistance of T.B.R.A. and its portable repeater for the November convention. Public services director Mike McIntosh, WB4YRW, volunteerd the clubs assistance.

In July T.B.R.A. had an auction after the club's monthly meeting. Everyone came out with a lot of parts and equipment for the shack. Although the club netted a little profit evervone came out with a good deal.

NORTHERN FLORIDA NEWS

By Frank M. Butler, Jr., WD4LUG

SNC's earned by KA4DTO an Ala. Emerg. Net "M" and by W5TKQ/4 on FMTN. Escambia County EC WA2GIN/4 corrdinating a Skywarn Net in NW Fla. for WX Bureau. He also has a new County ARES Plan.

New officers of Playground ARC are: President, WA4HWW; V. Pres., W4ODW; Secretary, KA4HWX; Treasurer, WD4JEJ; Activities, K4VZO; Trustee, WDHDT. Eglin AFM has a new repeater, WD4JEJ/R, operating on 222.34/223.94 MHz. JEJ also has a 450 repeater in the works.

WN4HV/KA4DCA are new Editors of the Tallahassee Newsletter. AA4US named TLH "Member of the Year". WB4ANA'S XYL now N4BZO. Hidden xmbr. hunts are popular in Tallahassee and Jax. Jax RANGE holds theirs each 4th Tuesday on .49 simplex; K4AFPO won the latest one. WB4RIS acquired an emergency power generator. FMTN planning a statewide call-up system for members in emergencies, using 2m FM. New Asst. NM's for FMTN: AF4R and W4PPC. N4UF now CQ DX Awards Manager.

Many nets and organizations held meetings at the ARRL Section Convention in Jacksonville, WA4FAJ passed her Extra Class at the FCC exams. WB4BTQ and WD4LLE moved up to Advanced Class; LLE now KB4TJ.

AA4ES new president and KA4FDF and V.P. of Hernando County ARA. K4ZC starting a new course for those interested in a General Ticket.

HARS NEWS

By Roy Scott, W4UHF

The Class in General Theory recently conducted by Ray Murphy W4BNE, was highly successful. Out of a group of twenty who started approximately sixteen completed it and many have since gone after the coveted General Class Ticket. Ray is instructing First Class Commercial and Second Class Commercial at Tampa Bay Evening Vocational School, Hillsborough Community College (Dale Mabry Campus) and also at MacDill AFB. Yet, no matter how busy he is, he always finds time to put on a class for HARS. We are indeed fortunate to have Ray as a member, and on behalf of all the membership, thank you Ray!

HARS has always endeavored to make their Hamfests "family affairs". The October 7th TAMPA HAMFEST is no exception, as one of the awards will feature a Mini-Vacation for two at one of the posh Clearwater Beach resorts.

A new Novice Class under the direction of Chris Hauswald, WD4JSE, and Herb Brunnel, WD4IRE, will get under way within the next few weeks. It is to be held at the Town 'n Country Branch of the Tampa Library.

The Club membership continues to grow as evidenced by attendance at the meetings and by taking part in such events as Field Day. Putting on a Hamfest is a major undertaking that requires active participation by every member in order to make it an occasion to be enjoyed and recalled with happy memories by those who attended. 73

The Fort Myers ARC & ARRL Present... Hamarama '79

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K4VGN Bob Sloat PO Box 05-37 Tice, Fl. 33905 334-6190

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WD4ERA Don Redd 1857 Sunset Pl. Ft Myers, Fl. 33901 332-1825

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by WD4EQT

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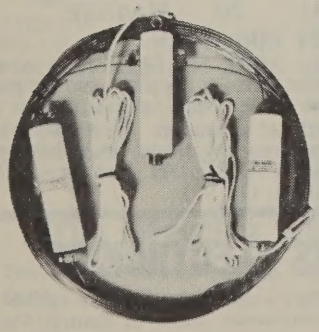

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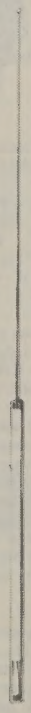

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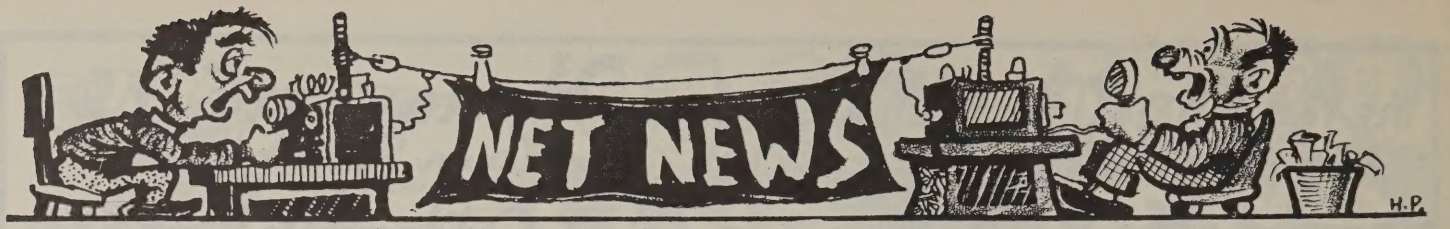

FLORIDA PUBLIC OPERATIONS NET PICNIC
By Henry Lathrop, WB4GCK, Mgr.

The first Florida Public Operations Net Picnic was held on June 2, 1979 at Peace River Park off State Route 60 east of Bartow, Polk County. The group consisting of net members, their guests and spouses numbered about thirty-five of whom twenty were Amateur Radio Operators. The picnic which started out as "bring your own food" was augmented by many added goodies such as cake, cookies, brownies and several real chilled watermelons fresh off the vines.

The group which gathered came from as far as Cocoa and Titusville on the east, to Astor on the north and from the West Palm Beach area on the south to St. Petersburg on the west.

Everyone seemed to enjoy the chance to have eyeball QSOs with members we hadn't been able to meet before. All were disappointed that some members were unable to make the trip. Many expressed the feeling that these get-togethers should be continued in the future. How about it?

FLORIDA MIDDAY TRAFFIC NET
By Al Suhr, WB4AID

FMTN members and Hams throughout Florida were saddened at the death of Leonard Kelley, WA4FJA, Jacksonville, on July 22nd. Kelley, as he was affectionately known, had served FMTN as Assistant Net Manager until his retirement from net activities early during September 1974. His keen sense of humor and outlook on fair play will be missed by all of us.

Recent Florida Skip articles in this column have alluded to Duke Dent, AF4R, as Chairman of Special Sessions. His Weather Watch (Severe Weather) works well and we are proud to announce his appointment as Assistant Manager, FMTN, Special Sessions. The July and August columns outline this activity. Any inquiries should be directed to him in Miami or W4PPC also of Miami.

To maintain liaison with the ever changing times in Amateur Radio it has been necessary to delegate Future Planning in the capacity of Assistant Manager. George Naftzinger, W4PPC, Miami, has been appointed to this post. George will work with the FMTN Manager closely with reference to training and up-dating net operations and systems. He is active in the FMTN Traffic Handler Instruction and Seminar as a training effort. He is, in effect, the idea man.

The FMTN Traffic Handler Instruction and Seminar is really paying off!! As of August 1st some seventy-five Hams have participated in this effort. Many FM comments have been received about it, join us!!

QFNS
By Dick, WA4PFK

July is behind us — August ahead — summer vacations have taken their toll on check ins — although activity has greatly increased at month's end.

Best wishes to John, WD4LUG, who is the new QFN manager and also to Marv, KM4G ex WA4JPV, who has completed a two year stint at first, QFNS training officer and than as QFN manager this past year. Marv didin't retire, though — he had high QNI of 30 and NCS a record setting 17 times, filling in for vacationing NCS stations.

Congrats to KA4FZI and KA4GDV, respectively Phil and Bill in Cape Coral. They are both new NCS stations for QFNS. Phil is the mother of Bill.

Thanks due also to George, K4TH for coming to QFNS as the QFN rep. It is much appreciated. There is a need for a Saturday QFN rep. so please ARL seven if anyone else is able to help out.

Hope more phone handlers will join Fred, AA4FG and Phil, WD4HIF and Bill, WB4WYG in the fun of CW traffic handling.

New stations this month include Danne, WD4HMC; Birch, WD4LRE and Colin, WD4JNH/4.

Thanks to the NCS stations for being so prompt with their reports.

CU on QFNS daily at 0000Z on 3715 KHZ.

FLORIDA PHONE TRAFFIC NET
By Bill, WB4WYG

Traffic total during July has been down BUT and and here is the BIG POINT — in spite of vacations — the CHECK INS have held up to over 1,000 with 47% of the roster checking in 80% or better:

100%	**W4BCZ — W4BKC — W4DDW — WA4EIC — WA4EYU**
	W4IAD — WA4PFK — K4SJA — WB4TZR
95%+	W4FOE — WA4JDH — W4KMN — KB4OW — WA4PIB
95%	WB4MPJ — WB4WYG
90%	WA4IWW — K4KIC — WA4WMA
85%	WA4LJO — WA4NBE — WD4PGS
80%	WB4ADL — K4EJW — WA4ZOY

Congratulations gang — mighty good record for the friendly phone traffic net.

Lk. Placid's John Shorrock — W4KMN was honored in a recent newsletter for Fla. Amateur Radio Enthusiasts for his services as NCS on the Midday net when storms hit Hillsborough and Pinellas Counties, interrupting phone service with the rest of the state. John stayed on the air for seven hours setting up and providing message service for Red Cross and Civil Defense. Very-very well done John.

News of our people: **WN4IIV** has had soft finals, Miss Evelyn, **W4WYR** has returned from vacation to a further stay of fishing and "beaching" at Ft. Myers Beach. John, **WD4COL** is back from visiting his folks in Bermuda. Roy, K4EJW is in the hills of North Carolina. Roy, **WB4AOC** is back from his sojurn in some northern states. Walt, **WA4FKE** has changed jobs and can be with us week ends.

Like to welcome a new lady to the net — St. Catchings, **WD4PGS** — over in Land O Lakes. Welcome Sue, hope you feel right at home with us.

Brave the early morning heat and "Start your Ham Radio Day — The FPTN Way".

GATOR NET
By Dough Ryan, W4MEE

Gator Net running smoothly, with 27 stations checking in this month. W3CUL QNI from Seminole now. Nice to see KB4DF ex WB4FHT, Dan is Gator Net. Cy, W4DVO, back in his NCS spot. Don, N4ET, among the missing. Always good to have Marv, KM4G QNI as need Hollywood frequently as he knows, re Caroyn Smithwick.

Bob, WN4IIV has been doing NCS spot on Monday from Tallahassee. Asked Walt, KF4U, to take Friday to make room for Bob as Monday is the only day he can check in. Bob gives us more coverage to North Florida. Andy Clark even doing on NCS spot, good cooperation. W4MEE and 100% QNI this month, and ready to fill in for any NCS not present. Keep it moving. We try to wait 3 minutes for the regular NCS but some chaps very impatient, Carl, W4NFK has offered to NCS on Sunday, so we are looking good.

Hear WA4SCK'S XYL not feeling to well these days, but you can't keep the IJ'S down. Ham K4SJH stays up all nigh bowling so can't get out of bed to make the Gator Net lately. He is with us in spirit and one QNI. Art, WB4SNX bringing in Traffic from North Carolina, good work Art. Lan, W4WNY always welcome from the Panhandle.

Net roster now Sunday W4NFK, Monday WN4IIV, Tuesday W4DVO, Wednesday WA4SCK, Thursday W4LDM, Friday KF4U, Saturday N4ET, as NCS. W4MEE not fishing lately — busy scraping barnacles off boat.

We need more CW stations. We have to take traffic to fone nets to get QSP, QFN has same problem. However we have many stations working both fone and CW so no problem getting QSP. Gator Net can handle traffic anywhere, well almost anywhere.

W3CUL is back in business with all belongings in Florida and working all bands. Mae using trap 40 meter antenna and 599 plus forty DB at W4MEE. Pruned by Al, W3VR. ONly 599 bare foot! So lets go Gators, lets show them CW is here to stay.

TRAFFIC HOUNDS
By K4SCL

NET Sessions	QNI		AVG.		QTC	AVG. Manager
FMTN	1069	41.1	369	14.2	26	WB4AID
FPTN	1004	32.4	252	8.1	31	WB4WYG
FAST	557	10.9	245	4.8	51	WD4ISN
AFPN	425	13.7	206	6.6	31	WA4NBE
GN	320	10.3	153	4.9	31	W4MEE
TPTN	433	14.0	125	4.0	31	WB4CDQ
FPON	580	18.7	112	3.6	31	WB4GCK
QFNS	224	7.2	94	3.0	31	WA4PFK
SPARC	1104	35.6	85	2.8	31	N4AUO
SWFTN	477	18.4	69	2.7	26	WA4HXU
VEN	395	12.7	45	1.4	31	WA4CRI
DEN	110	27.5	15	3.8	4	WD4JKM
PEN	277	19.8	9	0.6	14	K4SCL
SARC	21	5.3	0	0.0	4	WD4HMC

TOP TWENTY TRAFFICERS

1.	W3CUL/4	780	11.	WD4ISN	234
2.	W4MEE	626	12.	N4WA	225
3.	WD4HIF	546	13	WD4COL	215
4.	K4TH	456	14.	WB4FVV	153
5.	K4SCL	416	15.	WA4CRI	152
6.	AA4FG	277	16.	W4NFK	149
7.	WA4PFK	271	17.	WD4LUG	143
8.	WA4LGT	262	18.	K4ZK	141
9.	W3VR/4	261	19.	WB4TZR	124
10.	WB4WYG	243	20.	WA4NBE	114

NEW NET DIRECTORY

The new edition of the ARRL Net Directory is now available. Listing over 700 public service nets by location and frequency, this newly revised booklet is also packed with information on all the basics of traffic handling and net operation. You may obtain a copy by sending a self-addressed nine by twelve inch envelope with forty one cents U.S. postage to ARRL, Net Directory, 225 Main St., Newington CT 06111. (ARRL OB 75).

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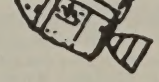

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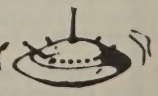

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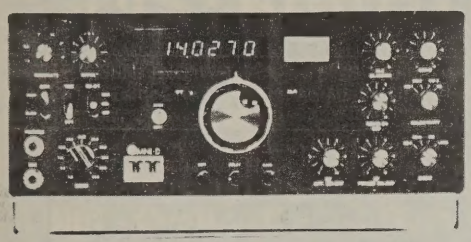

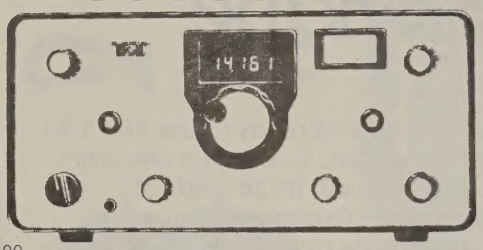

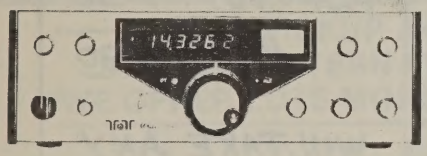

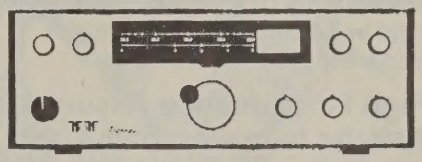

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545 160-10m OMNI Series B	919.00
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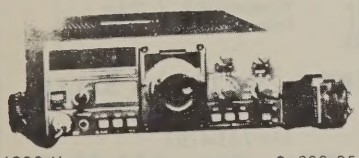

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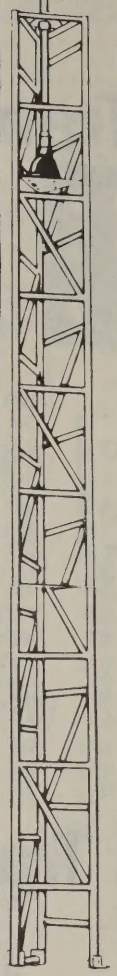

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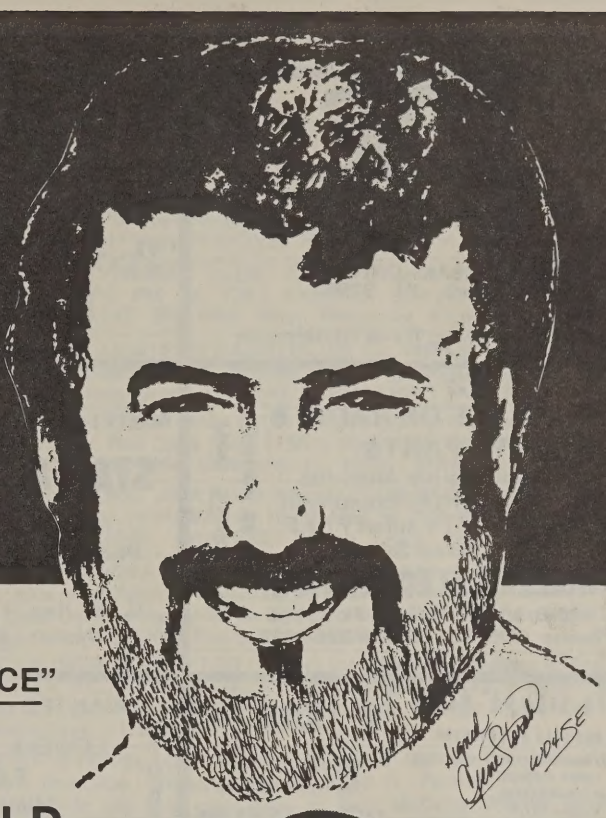

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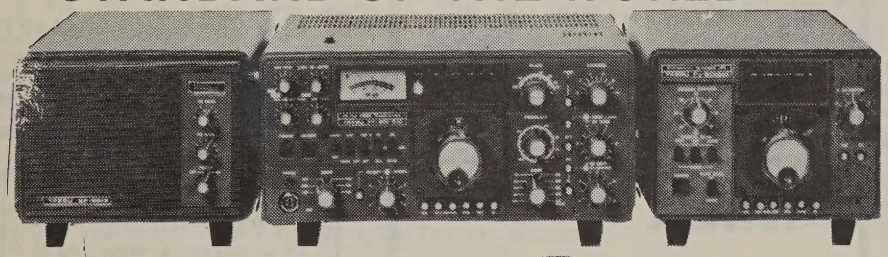

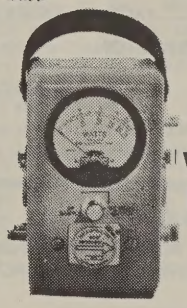

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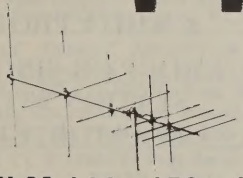

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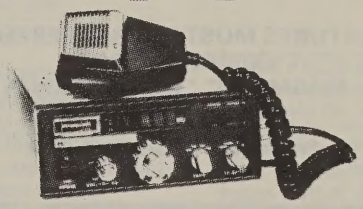
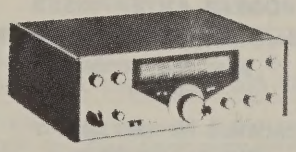


MIDLAND 13-510



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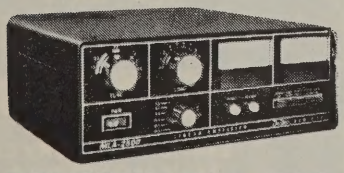

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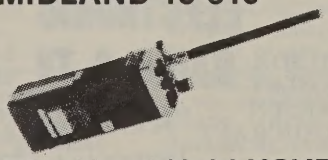

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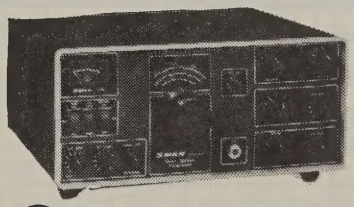

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Larry E. Price, W4RA, ARRL Director-Southeastern Division P.O. Box 2067 Georgia Southern Br., Statesboro, GA 30458.

AREC REPEATER GROUP, Inc., 07-67, WA4ARE/RPT, PO Box 532, West Palm Beach, FL 33402. Breakfast 10AM every Sunday at Clock Restaurant, North Dixie, Lake Worth, FL. All welcome.

BREVARD REPEATER ASSN. INC. WR4AFI 28-88 Cocoa 146. 43-147.03 Cocoa Beach, 597 Capri Rd., Cocoa Beach, 32931. Meets 1st Mon. 1930E 1st Nat. Bank Merritt Isl. SR-3 & 520.

BROWARD AMATEUR RADIO CLUB, Inc. W4AB, WR4ADU: 146.31-91. 2nd Fri. each month 7:30PM, Rm. 250 Broward Co. Courthouse, 201 SE 6th St., Ft. Lauderdale, FL. Mail Mary Crossley WD4KYP Secty., 2134 Tyler St. Hollywood, FL 33320 Phone 920-3183 or evenings 584-5308.

CENTRAL FLORIDA REPEATER ASSN. INC. WR4AFO. 146.16 -.76. Meets 2nd Wed. 7:30 PM 1st Federal, 2424 Edgewater Orlando. Mail: 1300 Shady Lane, Orlando, FL 32804. FM net 7: 15 PM Mon. thru Thur.

CLEARWATER AMATEUR RADIO SOCIETY, WB4BZF, Meets 2nd & 4th Fri. at 7:30 at Upper Pinellas County Red Cross 624 Court St. Clearwater FL Mail: Box 6473 Clearwater FL 33518

CITRUS CENTER AMATEUR RADIO CLUB, WB4MJV. 3rd Tues. each month Sept. thru June 7:30 PM American Red Cross Bldg. 1815 N. Gilmore Ave. Lakeland, FL 33801 Visitors always welcome.

COLLIER COUNTY AMATEUR RADIO CLUB Meets 7:30 PM 3rd Tues. at Coast Federal Savings & Loan 2400 N. Tamiami Trail Mail: 2875 Gulf Shore Blvd. No., Naples FL 33135.

DADE RADIO CLUB INC. W4NVU, 1st & 3rd Tues. Museum of Science. 8 PM 3280 S. Miami Ave. Miami FL Mail: P.O. Box 350045, Riverside Station Miami, FL 33135.

BRANDON AMATEUR RADIO SOCIETY, WB4BIM meets 3rd Thurs. 7:30 p.m. at Sunshine Federal S&L, WB4GIM/rptr 147.165/.765, weekly net Monday 8 p.m. More info on BARS call 677-2852.

EVERGLADES AMATEUR RADIO CLUB W4SVI Meet 2nd Fri. each month 8 PM at Dade County Agricultural Bldg. 18710 SW 288th St., Biscayne Dr. at Redland Rd. Homestead, FL 33030.

FELLOWSHIP F.M. ASSN. of FLORIDA, Inc. AF4S/RPT, 147.81-147.21 meets 3rd Tues. each month: 18301 Bisc. Blvd. (Ist. Fed. Sav. & Loan) Bldg. Mail: P. O. Box 680284, Miami, FL 33168. All welcome.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL INC. P.O. Box 157, Clearwater, FL. 33517.
FLORIDA REPEATER COUNCIL. Pres. K4BZS, V.P.WA4KKY, Tres. K4KE Sec. K5FOG, Freq. Coordinator Al Friend W4CF, 631 Lake Meggorie Blvd. St. Petersburg, FL 33705 Phone 813 866-2091 before 10 p.m. please!

FL ORIDORA YL'S' (W4FE) Pres.Sarah Clemens WD4EWD, 5401 Ashmeade Rd., Orlando, FL 32810. All Fla. YLs & XYLs invited to join. Net Ea. Tues. 9AM on 3933KHz. (See box ad for other officers.)

FORT MYERS AMATEUR RADIO CLUB Meets 1st Wed. each month at 7:30 PM 1st Federal Savings, 121 Pomdella Rd. SR 78A, N. Ft. Myers. Sec'y "Cash" Luzny W4MPV, 4286, St. Clair Ave. Ft. Myers, FL 33903.

GULF COAST AMATEUR RADIO CLUB, INC. Meetings 3rd Thurs. at 7:30 PM, 2 Mtr repeater meets 1st Mon. 8PM. Visitors welcome at People State Bank, New Pt. Richey. 518 US 19. Repeater 146.07/146.67 MHz. Fri. 7PM. Mail: GARC, Box 595, New Port Richey, FL 33552.

HILLSBOROUGH AMATEUR RADIO SOCIETY, INC. (HARS) WA4GJJ. Meets 4th Wed. 7:30 PM Pan Amer. Bank Bldg. Sulfur Springs, Mail: 8135 Nautilus Dr. Tampa, FL 33615, PH (813) 886-2666.

HOLLYWOOD AMATEUR RADIO CLUB. 3rd Mon. at 7:30 PM Washington Fed. S & L Bldg. Rm. AB450 N. Park Rd. Hollywood, Mail: Box 6306 Hollywood FL 33021. WB4TON. Visitors welcome.

INDIAN RIVER AMATEUR RADIO CLUB' W4NLX. Meets 4th Tues. at First National Bank, Merritt Island, 7:30 PM Mail: PO Box 5 Cocoa, Fl. 32922.

JACKSONVILLE RANGE ASSN. K4YLX/R. 146.16-.76 and 146.28-.88. Meets 1st Tues. 730PM Rm. 114, Jacksonville Univ. Mail: P. O. Box 10623, Jacksonville, FL 32207.

WEST PALM BEACH AMATEUR RADIO CLUB INC. W4HAW, PO Box 6834, Southboro Station, West Palm Bch. FL 33405. Meet 1st Wed. of ea. month, 7:30 PM 823 Neward St. W, Palm Bch. FL 33401. PH 588-1148.

MANATEE AMATEUR RADIO CLUB Meets 4th Monday 7:30 PM each month except June, July & Aug. AT Bishop Planetarium, Bradenton. Club call K4GG in memory of Earl Dannals. Mail to P.O. Box 9485 Bradenton, FL 33506.

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meets 2nd Thurs. 7:30 PM First Presbyterian Church, Ocean & Monroe St. Jacksonville. Mail: Ed Palagyi WB4QVK, 176 Tallulah Ave., Jax. FL 32208.

OLD OLD TIMERS CLUB (OOTC) Florida Chapter, Net meets Sunday at 2 PM on 7247 kHz. For info write Herb Spitz, WA4UOE, 340 SW 64th Way, Pembroke Pines, FL 33023.

ORLANDO AMATEUR RADIO CLUB, Inc. W4PLB, meets 3rd Wed. Ist Federal, 2424 Edgewater Dr., Orlando 8 p.m. Mail: P.O.Box 7367, Orlando, FL 32854 or please phone 671-5543.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. of each month, Red Cross Bldg. 1150 S. HickorySt. Melbourne, FL. Club address PO Box 1004, Melbourne FL 32901. WR4AMJ 146.25/.85.

PLAYGROUND AMATEUR RADIO CLUB W4ZBB. Meets 730PM Ist & 3rd Thursday. WR4ABZ 146.19-79. Mail to: P.O. Box 873, Ft. Walton Beach, FL 32548. SWAPFEST March 22-23, 1980 All Welcome!!!

QCWA CALOOSA CHAPTER. Luncheon meeting last Wed. of each month 11:30 a.m. at Twisty's restaurant, Cape Coral, FL. Left at light at W. end of Cape Coral bridge. Info. D. Bowman W4OUU, 5317 Colonade Ct., Cape Coral, FL 33904 Phone 813-542-4656.

QCWA CITRUS CHAPTER Officers for 1978-79: Chairman C. Stromberg W4WLX V.C., K. Street-G3DKS/W4, R. Ragsdale-W4AJX Sec.-Tres. Cor. Sec. C.H. Summers-W4AR. Meetings 3rd Sat. Sweden House, Lee Rd. Winter Park, 11:30 AM.

QCWA EVERGLADES CHAPTER, meets last Sat. of each month, Sept. thru Apr. atSweden House, 5550 N. Federal Hwy., Ft. Lauderdale. Info see Skip club news or Roy McCarty W4RM 731-4145.

FREE: As a service to SKIP members, FCC forms 610 will be mailed to anyone submitting a self address No. 10 stamped envelope to: FLORIDA SKIP, P. O. Box 501, Miami Springs, FL 33166. When does your amateur license expire. Look at it now!!

QCWA GATEWAY CHAPTER. Pres W2KGI, VP K4SP, net Sat. 11 a.m. on 7230, Ncs W4BRZ. Luncheons, 3rd Sat. at Uncle Johns Pancake house, Bch Blvd. Jax. Info: Jim Dixon W4JL, Sec/Trea. 39 E. 59th St. Jax 32208 or net.

QCWA GATOR CHAPTER Tampa Bay Area. Meets 1st Sat. Noon Sweden House, Clearwater, Hwy 60 Gulf-to-Bay. Weekly net Sat. 930AM 3920kHz. Eli Nannis K4JMH Sec., 14996 Imperial Pt. Dr. N., Largo, FL 33540.

QCWA PALM BEACH CHAPTER. Luncheon meetings the last Tue. 11:30 AM, Sweden House, U.S. 1, No. Palm Beach. Info from: Ed Koeper W4ZQT 920 Shore Dr.. North Palm Beach, FL 33408 Phone 305 622-9570.

QCWA SPACEPORT CHAPTER' Brevard County. Pres. Glenn Diggs W4-BFQ, VP Ken Raulins WB4JXR, Sec. Fritz Fredrickson K4JFP, Tres. Al Apple K4ILX. Quarterly luncheon meetings on Saturdays.

QCWA SUNCOAST CHAPTER From Tampa south to Marco Isl. Meet: at Davey's Locker Room, of Windjammer Rest. 7100 S. Trail US 41 the 1st Wed. of each month Octthru May. For Info: Bill Soehl, W4GHR, 647 Jungle Way, Sarasota, FL 33580. PH 365-5814.

QCWA SWANNEE CHAPTER. Net Sat. 3940 at 9 AM. Pres. Edward Gaudet K4BRC, V.P. John Ryder K4IHX, Sec.-Tres. Harold Carpenter K4JTJ, 815 Hemlock St., Inverness, FL 32650 Phone 904 726-7497.

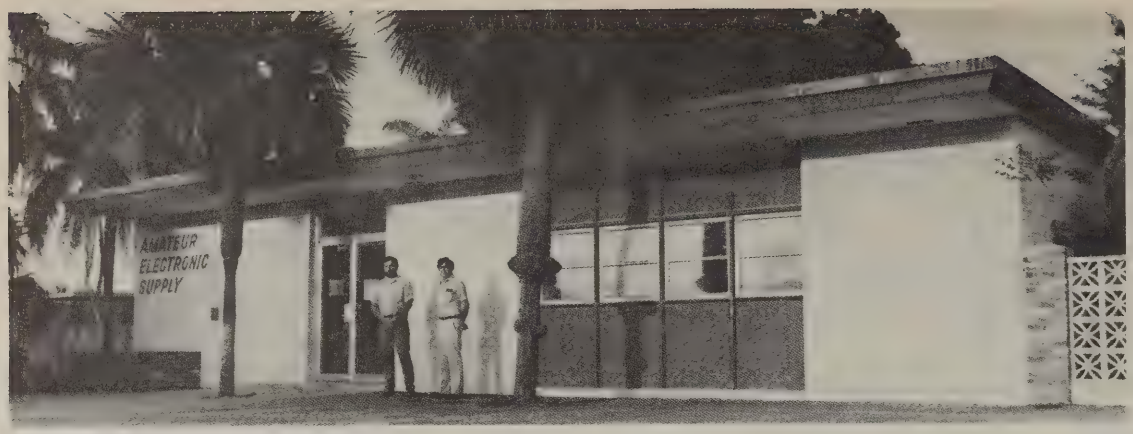
QCWA TREASURE COAST CHAPTER. Chmn Isaac Roach K4QM. Sec.-Treas. George Russell K4KWV. Lunch meeting 2nd Thurs. each month at Sheraton Regency, No. A1A, Vero Beach, FL. Mail: Box 3088 Zip 32960.

QCWA CENTRAL FLORIDA CHAPTER: Meets 2nd Sat. Noon, Outlaw's Cafeteria, Searstown, Lakeland. Net 8:15 a.m. Sat. 146,085 - 146,685. Info: Bob Webb, W4NY, Pres. 813-858-2431.

SARASOTA AMATEUR RADIO ASSN INC. Meet 3rd Tues. at 8 PM in Room A-9 Sarasoto Jr. High School Visitors Welcome mail to: P.O. Box 3182, SRQ 33578.

GOLD COAST FM ASSN. Inc. Box 313, Boca Raton, FL 33432. Emgcy net Thurs. 730PM WR4ACV, 146.22/82 and Traders Net Thurs. 8PM on WB4UFA A/R. Club meets 4th Mon. 730PM, Imperial Pt. Hosp. Med. Ctr., 6401 N. Federal Hwy., Ft. Lauderdale, FL. ALL WELCOME!!

SOCIETY OF WIRELESS PIONEERS (SOWP). EDISON CHAPTER meets Sun. 2 PM local time on 7053 kHz. Bill K4TF. CHOP. Info about SWOP and its nets, contact Bill Willmont, 1630 Venus St. Merritt Isl. FL 32952.



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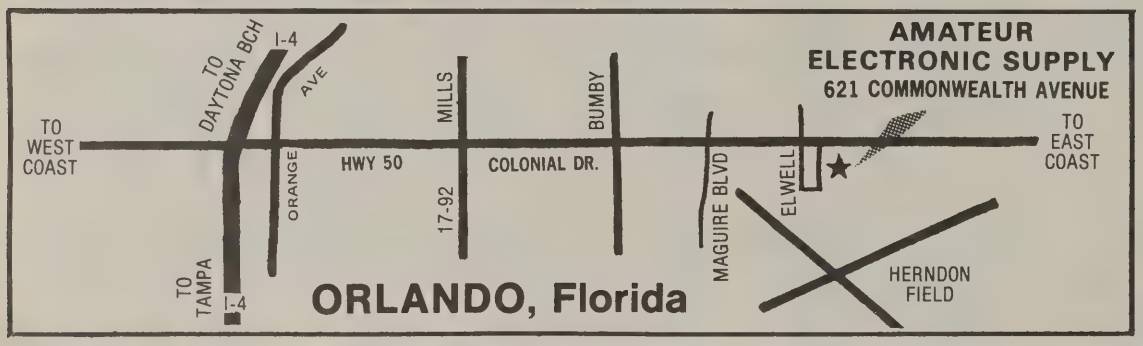

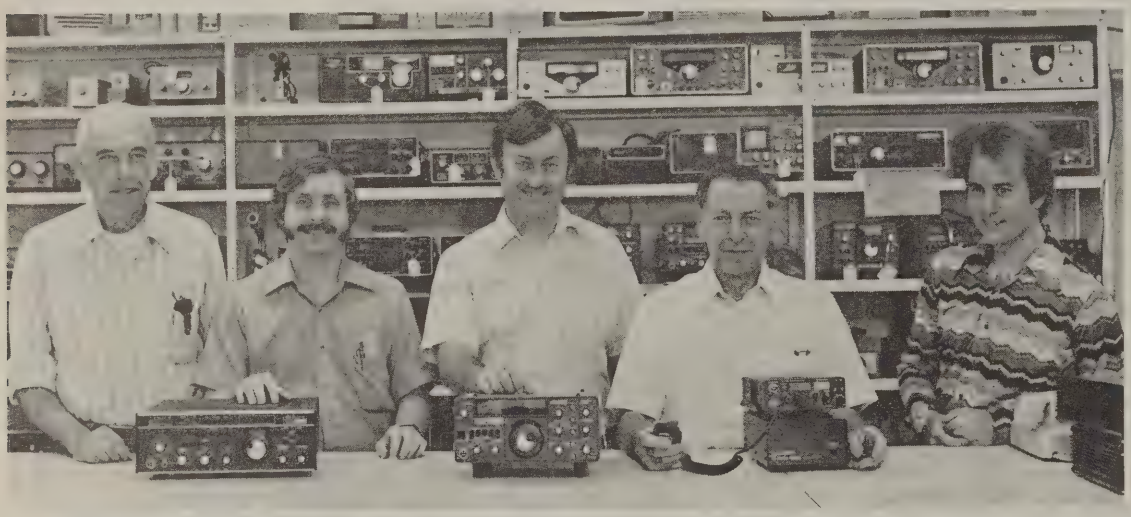

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LIGHTNING STRIKES TWICE

Jim Garcia, W4FWF, Tampa

May 17th 1978 at 5 a.m. my station was hit by lightning. It caused much damage to my ham gear and electric range etc.

This past Thursday, July 5th 1979 I received another strike by lightning. Fortunately I had the big switch pulled and switch open to all equipment and the ground on all antennas. Two verticals up 45 feet in PHASE with 500 feet of buried radials and four ground rods 8 feet deep. It broke insulators on two traps, burned two SO-239 coax sockets and plugs PL-259. It also one balun, one piece of RG8U coax had high resistance leakage. I was lucky this time. No damage to the electric range or water heater, as I had the circuits tripped in the off position.

The main damage was to the Old Man, with shattered nerves and lots of elbo grease for repairs. Hope to be on the air soon...

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You wanted it . . . YOU GOT IT, SO .....

SEE YOU OCTOBER 20th/21st

B.A.R.C. BLOWS ITS OWN HORN!!!

1979 will be the BIG year for the Broward Amateur Radio Club, which reached a new high in its membership in 1978. Our contract with the Galt Ocean Mile Hotel and its many fine facilities of air conditioning, entertainment, restaurants, ocean bathing, and exhibit areas is a new phase in Hamfest organization. No hotel location offers so much to all exhibitor's and our member hams. EVERYONE is invited to bring the family and enjoy a fine weekend. Special hotel rates are offered for the days of the show. $26.00 a day, for a double room with all the excitement . . . Don't miss this great weekend for HAMS.

Further Information:
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2134 Tyler Street
Hollywood, FL 33020
920-3183

Navy/Marine Corps MARS
By Jim Wilson NN0WCK/W4GDK

Just got home from our Region Two Conference in Orlando with a wealth of new information.

Our new Chief Nav/MARS Clements is very enthusiastic about our program and has promised to stay for 3 years. To assure continued effective operation, they are advertising for a Civil Service assistant for him and a Navy secretary who will help them in their work. In the past there has been too much turnover.

We were surprised to find that Parris Island is the only Marine base which trains female recruits. There were 56 percent present at the conference. This figure was undoubtedly influenced by the shortage of gas. We had 10 from So. Fla. and all of us felt that we learned a great deal.

We were pleased to find a relatively new sideband net that operates at 0100Z. It is called the 2X9B net and will operate on 7393 Khz. The military gateway station who will handle any outgoing will be MCP of No. Car. It is reported that the net is attracting many who because of daytime work cannot get on traffic & training nets. On this net after all traffic has been handled, ERM of No. Fl. gives training exercises to help attain correct net operation.

We were also surprised to find that the government decided not much could be saved by fully combining the 3 MARS programs, but they will, however, cooperate on some features.

Twelve of the military operators with whom we talk regularly were there at the conference and gave us interesting descriptions of how they operate. The conference was capably organized by No. Fl. Area Coordinator Herb Herring & he is to be complimented. Dick Crowell ASC-1 from Tenn. kept things running smoothly. Three So. Fl. men were included in thsoe who received certificates of recognition for excellent performances: YDO, Harry Ide; YWE, Bob Barry; and YBU, Frank Holt. The grand award went to "Pepin," Area Coordinator of Puerto Rico who has built the program up from almost nothing single handedly. He was given a standing ovation.

We are glad to report that last month we gained 3 new members: Rose Shaw XPP-T of Margate (She is YF of BBS); Bob L. Cerouoz of Key West JDB, and Jonathon P. Hutchins ZKR-T of St. Pete.

Air Force MARS (State wide)
By Philip A. McMasters AFA2XR/W4BCZ

Mike Green, AFF2FL, attended the Jax Hamfest and got the chance to meet some of the North Florida members for the first time. We will have a meeting at the Melbourne Hamfest at 1600Z on Saturday, September 8th, place should be in the Program, if not it will be announced from time to time over the speakers, or those with 2 meter mobiles should be able to get the information from the talking station.

In our last issue we said that 6 meter nets would not be abolished but that new ones would not be organized . . . this is only partly the fact. If the net drops down to less than six calling in, it will be terminated. VHF only members **on 6 only** better keep active or make provision for HF net membership. A large membership is desirable only if the members are active and can be depended upon in an emergency . . .

Military operation BRAVE SHIELD, 20/24 October 1979 will have phonepatch traffic from AGA5PAx to Patrick A.F.B. this will be on TRANSCON frequencies.

Reappointments in REGION 2, included Gary Ober, Guice Johnson, Vic Carson, Olin McNelly and Larry Jones. Mike Green is again our SMD.

Monitoring stations have detected splatter from some KWM2 stations, mainly military, from improper adjustment. Affiliates be sure you read your book and put out a good signal.

The Wednesday broadcasts from AIR will not be backed up by mail copies any more to save postage. The State net on Sunday 1930Z has it repeated on 7313. 5Khz, call in if possible, listen if not at a working transmitter.

IMPORTANT: WHEN SENDING US A CHANGE OF ADDRESS' ALWAYS GIVE US YOUR QTH AS IT APPEARS ON SKIP PLUS YOUR NEW ADDRESS AND CALL SIGN! ALLOW 3 WEEKS IF POSSIBLE! THANKS!

NAVYMARSCORPS MARS N. FLORIDA
Ken Kingsnorth NNN0YDH/W4BWX

The Second Region conference was held on the weekend of 4 Aug. and was well attended according to reports that I have received. Representation was from individual members, military station members and Headquarters personnel. I will not go into details of the results of the meeting since I believe that the report of the meeting will be in the South Florida Skip article.

One the gratifying things that did come out of the meeting was the outstanding service awards, of which, three were awarded to members of the North Florida area.

Congratulations to Jim NNN0VYI, and Jack NNN0LWR both of the Jacksonville area, who received an award from COMSIX. NNN0LZC, Hal, of Orlando received an award from Chief NavMars. I for one am very proud of these outstanding members and certainly feel that it is my good fortune to be associated, thru MARS, with these people.

There is a newly added RTTY station coming along in Jacksonville in NNN0IGW, woody. Woody is having good results copying the broadcasts according to reports.

Editor:

Your help in locating an old friend of the family, Francis Vinton Long, would be appreciated. He was licensed as IH back in Boca Raton, Florida with a power of 10 watts. Through the courtesy of Pete, W4VAP, I found his last address, as listed in the Callbook in 1937, as 3694 SW 25th St., Miami, FL

If you could furnish me with any information as to his whereabouts or publish this letter, I would appreciate it.

73, Thomas D. Giles, K4GVV, 1112 Flower Ave. Panama City, FL 32401

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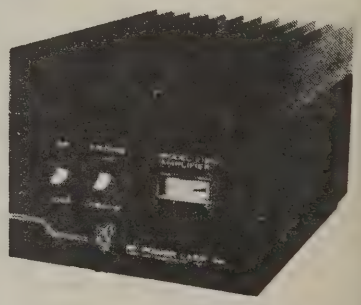

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*V350	144-148MHz	10-20W	350-400W	432x330x178mm	20.2 kg (45 lbs)	YES	$895.
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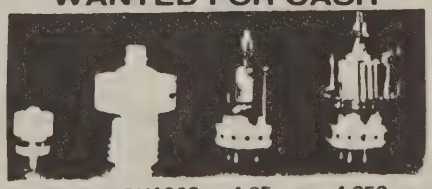

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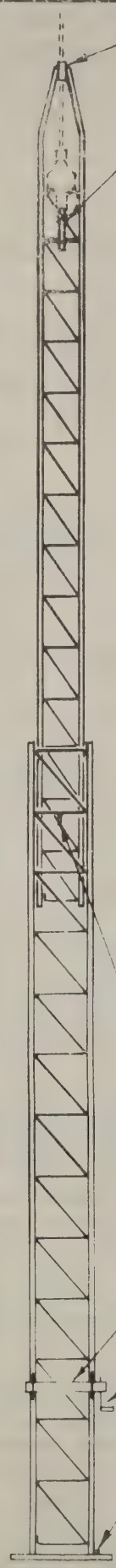

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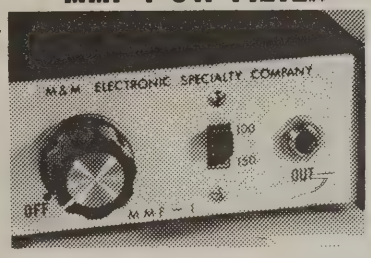

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By Dick Biow, ADN1RE
State Public Relations Officer, Army MARS

As State Public Relations officer for Army MARS, I often recommend that potential recruits listen to a few MARS nets, so that they may judge MARS for themselves. Most are favorably impressed, but you might be disappointed to hear comments I've gotten from folks who happened to catch a couple of sub-standard performances. For instance, "If all I want to do is ragchew, I don't need a MARS license," or "What's all the bitching about?"

The "ragchew" knock refers to a very few nets whose Net Control operators think that "out" is a dirty word. They hate to say it. Priority traffic, late check-ins, and important information sit waiting while a series of social chats goes on for 10 minutes straight. If Net Control just HAS to say out, he calls on someone for comment without pausing for breath, and the real business of MARS gets crowded out of existence by more autobiographical trivia.

The "bitching" refers to unofficial, self-appointed "training officers" who criticize others **on the air**, usually with the unctuous preface, "Now I don't want to name any names but . . . ," and continue — for example — with a complaint that checker-inners aren't waiting for an "out" from Net Control. (If they waited any longer, they'd be off the air so long that they might as well sell their transceivers!)

My suggestion, colleagues, is that we leave training to the Training Officer and always consider the impression we give to prospective recruits who might be listening. We could sure use them, but as Oscar Hammerstein once observed, "There is no limit to the number of people who can stay away from a lousy show."

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ST. PETERSBURG AMATUER RADIO CLUB, Inc. W4GAC. Meetings: 8:00 p.m. 1st Friday, Red Cross Hq. 818-4th St. No. Mailing address: P. O. Box 4026, St. Petersburg, FL 33731. All welcome.

TAMPA BAY REPEATER ASSN. INC. WR4AAH, 16-76 Tampa. WR4AKV 37-97 Largo. P. O. Box 2812, Tampa FL, 33601. Meets 2nd Tues. at 1930 Marine Reserve Training Center, Gandy Blvd.

TEN-TEN INTERNATIONAL NET. Central FL Cypress Chapter meets Wed. 8 PM on 28,665 kHz. K4TSY Chapter Head. For Cypress certificate work five holders, send log info & $1. to Bob Lucus K4HTU, RD2 Box 2630 St. Cloud, FL 32769.

NORTH FLORIDA DX ASSOCIATION

By Ham robinson, W4ZR

The North Florida DX Assn. was pleased to have a distinguished guest at its June 30th meeting.

Joel Kandel KI4T, president of the Dade Radio Club, and very active member of the Dade Co. ARPSC Planning Committee attended. He invited NFDXA to participate in a greatly expanded DX program at Tropical Hamboree 80.

This time the meeting was held at the Lakeside country estate and antenna farm of N4KE, Ron Blake, our hustling new president. And Bill Walker, WB4EYX, was up to the role of chef as usual! !

Attending was near perfect, plus several guests in addition to Joel. 73 ES DX. . . . . .

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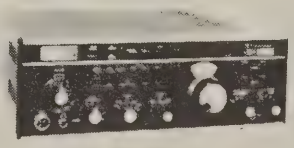

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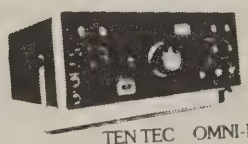

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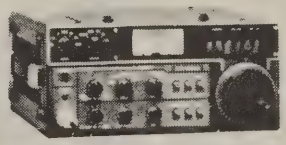

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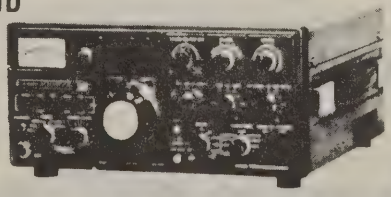

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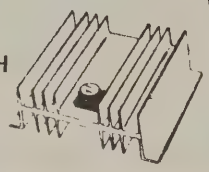

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FOR SALE: Like new, Heath HW-8 CW transceiver and power supply $105.00. Including shipping. Gonset linear amp GSB-201, 1000 watts, pick up only $250. Heath SB-102 CW/SSB transceiver with supply $350. Collectors items, all working: Heath impedance bridge, IB-1B $35.. Heath AF-1 audio frequency meter $50. Heath intermodulation analyzer IM-1 $50. Joe Adams WA4EJV, Rte. 4 Box 764, Panama City, FL 32405 904 785-7824.

ESTATE SALE of W4AKB: Drake TR3, AC and DC supplies, RV-3, recently overhauled $495. MFJ Ersa02 Mod 941 tuner 300W brand new $75. TA33Jr. tri-band bean $50. Heath equip: AM-2 SWR meter $9. HD-19 Phone patch $19. HD-20 100 Kc Xtal standard $10. AT-! rcvr $12. † 2M Lunch Box AM Xcvr $14. Hustler mobile ant. with mount 10 thru 40 coils, all $70, almost new. CDR-44 rotor $35. Many other items, keys, mikes, speakers, all at give away prices. C. Schiffer Jr., 7701 SW 53 Ct., Miami, FL 33143 305 666-8570 or 238-7889.

ATTENTION!!! SELLING OUT!!! HQ180, clock, like new $155. Yaesu 620B, like new $300. KLM 6 meter linear over 100 watts $115. Brimstone 143-149 MHz, 25 watts 5kHz splits $275. Electro-voice mike 641 $25. Regency scanner VHF with 7 ham repeater xtals $70 – less xtals $50. MJF-SSB-F2 filter $20. new Yaesu No. 844 mike $15. RCA mike $5. Heath IB-102 counter 0-30 MHz. needs adjustment $55. Heath IB-101 scaler 0-200MHz ok $40. Can ship UPS COD - you pay charges. Gerrall L. Gallnitz W4OIA. 929 Crabtree Lane, Port Richey, FL 33568 813 847-5435.

HEATH SB-102 with power supply and multi-band antenna. Set recently aligned by Heath with new finals $325. Ken Baud, 115 Indian River Dr., Cocoa, FL 32922 305 631-0908 evenings.

STOLEN: ICOM-211, Ser. No. 03525 - without power cord. Contact Dade Radio Club or the Miami Police Dept. KI4T - Joel.

FOR SALE: DRAKE TR-3 with Drake TR3 a.c. power supply/speaker with manual, looks and works real good. $425. Andy Clark W4IYT, 4l Lenape Dr., Miami Springs, FL 33166 305 888-3874.

TRADE: National SW-3 receiver, National power supply, eleven sets general coverage coils, four bandspread coils, spare tubes, manuals & data. WANT: Argonaut 509 and power supply. No cash and prefer eyeball transfer. Richard McIntyre K4BNI Cape Coral, FL 33904 813 542-8586.

FOR SALE: Compact H.B. 20M, 3 element beam (ARRL handbook) $20. 10,15, 20 meter trap vertical, Mosley I think $25. GerrySkinner K4LVZ, 8231 SW 133 St., Miami, FL 33156 305 251-6457.

ESTATE SALE: Walt Hanselman. Drake 2-B receiver, overhauled and in excellent condition. $150 or best offer. Bob Patten N4BP, 2311 Nassau Dr., Miramar, FL 33023 305 981-2732.

ATTENTION OSCAR chasers for sale from the shack of K4OQ a spectrum international MMT 432/5 to 28 MHz transverter. This set taken from factory run and modified by John Reanland of Spectrum to a 1 dB noise factor. Perfect condition. Transmit 10 watts output. Spec sheet goes with it. $250. Filter a spectrum International PSF 432 which will elimates birdies coming from your antenna and will keep your output clean $35.00. Filter MMF 200-5 Spectrum International to prevent densensing of your 435 down link by your two meter up link. 30dB ATT. of 3rd harmonic $20.00. Converter receiver only micro wave module 432/5 switchable. Output 28-30. $75.00 Robert Conaughty K4OQ, 318 Windward Island, Clearwater, FL 33515 813 447-0276.

FOR SALE: Keenwood TS520S with CW filter $550. Kenwood 520S VFO $85. Cushcraft ATB 34 $175. Ham III Rotor $90. All one year old. C. F. Bukoski WD4LKY, 2466 Oklahoma Ave., Homestead AFB, FL 33039 305 257-2390.

WANTED: Control box only for a CDE Autorotor model AR-33, good shape only. Don Lynne W4SVS, Rt. 2 Box 227, Crystal River, FL 32629 904 795-6356.

FOR SALE: VHF Engineering repeater $500. KLM 10-140 2 meter amplifier $140. VHF Engineering 30 Amp. power supply $225.00. Drake low pass filter $20. SWAN SWR-1 power SWR meter $25.00. RF power Labs 180 watt amplifier with power supply, muffin fan and rack cabinet holder $495.00. Howard Reiziss 7221 SW 130 Ave. Miami, FL 33183 305 596-6970.

FOR SALE: Antennas and other stuff by K4OQ. 4-BTV Hustler with Kw power 80 meter top $50. Rotator Archer heavy duty with control $40. 5-band Symtek pre-amp. Older model but still great $25. Phone patch, Heathkit case has some extra holes the inside is OK. $15. Pre-amplifier Lunar 28-30 MHz $25. Converter Spectrum International 144 to 28 with separate output of the 116 MHz crystal $25. Robert B. Conaughty K4OQ, 318 Windward Island, Clearwater, FL 33515 813 447-0276.

FOR SALE: Heathkit SB-102 Xcvr, HP23 supply, SB-600 spkr. All mint condition $425. Firm. S. Rose WB4LAH, 3350 NW 63 St., Ft. Lauderdale, FL 33309 305 971-4096.

FOR SALE: Drake 2B plus 2BQ and spkr, low mileage $150. M. Miller, 2068 Alameda Ave., Sarasota, FL 33580 813 366-2265.

FOR SALE: Ten-Tec Century 21 transciever with 276 xtal calibrator $270.00. Al Bogdanoff K4JAI, 19720 NE 10th Ct., Miami, FL 331-79 phone 305 651-7915 or 821-1601.

SILENT KEY ESTATE SALE: Heath SB-200 amplifier, 1200 watts $300. Heath HM-102 watt meter at $25. 4-pos coax switch (Heath) only $5. Shure 444 mike at $20. HW-101 with HP-23 AC power and mike plus Heath HD-1410 keyer. All 4 items for only $300. Clegg FM-27A, 25 watt 2 meter mobile xcvr, covers 146-147 xmt and 146-148 recv. With mike, all synthesized, sell for $130. Oldie Vibroplex chrome base keyer for $15. Reid Martin W4BP, Rte 3 Box 250, Tavares, FL 32778 904 343-4122 evenings.

FOR SALE: Hallicrafters SX-99 receiver with operating and service instructions. Recently checked out. Works great. Charles Bukoski, WD4LKY, 2466 Oklahoma Ave., Homestead AFB, FL 33029 305 257-2390.

FOR SALE: Drake R4A receiver $220. excellent condition. Stan Lieberman WA4SFP, 1560 Glencoe Rd., Winter Park, FL 32789 305 644-8003.

FOR SALE: Collins KWS1 $450. Drake 2B receiver $100. Audio TU 2 chnl teletype. $25. R. Mellone W4LRI, 8868 SE Sharon St. Hobe Sound, FL 33455.

KDK SUMMER SPECIAL NO. II Due to error in QST, now til 8-31-79 - KDK 2016A prepaid USA $285. TELCOM CO., 4254 Glenn High Rd., Winston-Salem, NC 27107 919-784-8833.

60 Foot crank-up tilt-over tower. Damaged but repairable. Have new tower. Come get this one for only $100. R. L. Poorbaugh WB4MII, 6060 SW 8th Ct., Ft. Lauderdale, FL 33317 305 583-3558.

SALE: AUTEK QF-1 audio filter, Kenwood 35S hand held mike (new), B&W apartment antenna with all coils. Max W. Goldstein K4EGZ, 1750 NE 191 St. No. Miami Beach, FL 33179 305 949-4868.

FOR SALE: QRP 10 meter rig, USB, LSB, AM. Covers 28.5 to 29.5. Converted TRC-448 CB. $175 or will consider trade for 2 meter rig. Harry R. Thomas WD4OZT, 6377 - 15 Ct. S., West Palm Beach, FL 33406 305 968-8667.

MUST SELL: GENAVE GTX-600 meter, 30 watt FM transceiver $125. or best offer. Will consider trading for 2 meter FM equipment. Scott Payne WA4CHL, 68 Dolphin Dr., Treasure Island, FL 33706 813 360-8341 evenings.

SELL: Stancor transformer 325V/150ma. 6.3v/5A, 5v/3A $8. Heath AA-18 Mono audio amplifier $8. Heath HD1250 GDO $45. Mini-Misers dream receiver w/100 kHz calib. 40/20 meters $30. 13.4V 2.7A supply $11. Handbooks ARRL 1930, 33, 35, 38, 41. Radio 36, 37, 40. Condition good except 40 which is fair. $4. each. All items postpaid. Richard McIntyre K4BNI, 611 Coral Dr., Cape Coral, FL 33904 813-542-8586.

FOR SALE: TS-323/UR frequency meter. Covers 20 to 50 MHz. Accuracy .005. Orig calib book, in very good condition. Cost Uncle abt 9 Bills. Selling for $175., Aug. QST page 118. My price $40. Bud Miller KA4AIK, 902 Nightingale Ave., Miami Springs, FL 33166 305 887-7655.

FOR SALE: Light duty rotor, less cable $35. Heath Novice course, never used $20. Ameco PT-2 preamp$50. Heath conference phone, with dialer $50. Panasonic RF-4800 AM/FM/SW/Ham receiver $300. Heath MR-1134 VFH scanner, 4 crystals $70. Heath digital clock $30. Yeasu FT-221R, 2 meter multi-mode transceiver, updated, all accessories $500. Janel QSA-5 preamp $25. Ham key deluxe $15. VOX mic, goose neck $15. Time cube 5/10/15 MHz $25. Cassette AM radio-recorder $15. Regency HR-2B 2 meter mobile, 8 channels $170. Clarion AM/FM/eight track stereo with speakers $60. Heath VHF watt/SWR meter$30. Sears/Atari vidio color game, give cartridges, complete $170. Chess challenger chess computer $60. Lets talk. WANTED: ATLAS210X with power supply console. Chet Hart WD4GDB, 622 Meadowvale Dr., Orlando, FL 32807 305 275-5880.

TEN-TEC PM3A QRP CW 5 watt 20-40 M transceiver, factory overhauled & modified, mint condition $30.00 New in box Hy-Gain-9 40-channel CB with crystal and instructions to modify to 10 meters $60. Wilson system-one tri-bander 10-15-20 meters, half year old with new W2AU balun $135. Mark Pistiner WA4ZJZ, 4206 Arthur St., Hollywood, FL 33021 305 989-7629.

FOR SALE: Heathkit Monitor scope SB-610 with manual $125. 1Kw, 80-10, Match box with openwire feed, 100 ft. antenna $85. B&W 5 position, grounding antenna switch $15. GE Progress Line Heavy duty, multi-channel 2 M with custom control head - TT pad independent select, 3 channels $80. 3 - 120 ft. pieces RG8U foam with PL259 ea.$11 each. Heathkit RF Signal Generator $40. RLC bridge $40. Signal tracer $35. Transistor checker $6. Ed Downs WB4NDZ, 2740 NE 58 St., Ft. Lauderdale, FL 33308 305 491-7858.

FOR SALE: 6 transformers ex DX-100 or will trade for HP-23B power supply for SB-101. Also sell surplus crystals Army 5675 to 8650. John K. Mensing W4MFL, 321 Monroe Pl., Port Orange, FL 32019 904 767-0408.

COLLINS MECHANICAL FILTER F-455 C 12 Part No. 522 9041 002, like new $15. each - have 3. Collins power supply, standard 19 inch panel by 10" hi. 115VAC in with following outputs: 160 /minus, -150 R, -400 plus300 and plus 150R, all at least 80 ma. Has 3½ inch metered on all voltages, beautiful construction $15. Heathkit 2 cross-over enclousee, all wood, lite oak, 10H X 23W X 12 deep, has trible control, only $17. Electro-Voice Bookshelf speaker system, 8 inch full ranger speaker, 50 to 13,000 cps response is conserviate. All wood construction. About same measurements as above Heath.$15. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874.

TRADE: Mosley Classic 33 beam for TA-33. Trade solid run QST 1927 thru 1975, good condition for all mode two meter rig. Wanted: Pay premium for ARRL handbooks prior 1940. Rod Whitten W4BI, 3511 SE 10 Ave., Cape Coral, FL 33904 813 542-1058.

MOVING to apartment, must sell: Complete station. Yaesu FT-101 B with DD1 Digital display, SB-200 linear, Drake MN2000 antenna tuner, 42 ft. EZ Way tiltover tower, Mosley TA-33 beam, new Mark IV rotor. Newtronics mobile antenna mast and pumper mount with resonators for 15, 20, 40 and 80. Simpson 260 VOM meter Heath HW-2036 Synthesized 2M FM Xcvr plus a.c. supply and encoding mike, plus many other goodies. Come and see everything. My loss will be somebody gain. WaltWentworth W4PWB, 5557 57 Ave. No., St. Petersburg, FL 33709 813 544-7882. After 2 p.m. daily or all day Sat. and Sun.

FOR SALE: ICOM-211 2 meter transceiver, mint $575. Ten-Tek Omni-D transceiver, 252-MD power supply, mint $875. Don Wilbur K4RW, 1640 - 58th Ave. So. Apt. 7, St. Petersburg, FL 33712 813 866-2125.

FOR SALE: Realistic DX-160 with matching speaker. Famous 5-band receiver, mint condition. This set turned me on to ham radio. Lists new $170. Self half price. Jack Streib KA4FJL, 1924 Taft St., Hollywood, FL 33020 305 925-5997.

FOR SALE: Heath SB-301, SSB, CW, filters. SB-400 with complete crystal pack. SB-600 matching speaker. All cables and manuals. Absolutely mint condition. Complete set spare tubes. Autek QF-1 filter included $425.00 complete station. Will not separate. Will ship UPS receipt certified check or money order. Or will trade for Collins 312B5 remote VFO in good condition. WANTED: Collins remote VFO 312B5. Please state price and condition. R. G. Lyon K4FXP, 417 Cardinal Dr., Satellite Beach, FL 32937 305 773-8882.

SELL: FINEST quality transceiver with unique features - Keenwood TS-900, PS900, operation and service manuals $595. FOB.F. S. Mc Cullough W4WWH, Rte. 2 Box 236, Dunnellon, FL 32630.

FOR SALE: BOGEN AM-FM, 20 watt receiver. AM has stage of RF. Can pick-up BC DX from all over country at night. Perfect for multi-speaker operation, such as doctors office, factory, back= ground music etc. Also has mike, phono, aux inputs. In all wood cabinet 16" H X 12" W X 12" D. $30. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: Collins 136B-2 noise blanker for KWM2/2A. Unused list $347. sell for $90. Ulis L. Tucker W4YRK, P.O.Box 6223, Lakeland, FL 33803 813 644-4062.

WANTED: Manual and/or schematic for a Collins 706A-2 RTTY demodulator (commercial two-channel T.U. with separate power supply.) I'd like to find the 80-ZH3 6dB pad and the 80-ZH4 50 ohm output cable for the model 80. Copy OK. Thanks Yves for model 80 book. Izzy Armenteros WA4PPB, 1241 N.W. 8th Ave., Miami, FL 33136 305 325-8795.

FOR SALE: TRS-80 level II computer with extras. Send SASE for info. J.P. Johnson WB4BYO, 7602 Timberwood Dr., Jacksonville, FL 32224.

NOTICE: When sending in HAMBARS, always give YOUR CALL SIGN. We have had reports of non-licensed persons selling stolden amateur equipment via this column, AND WE DON'T WANNA DO THAT!!! Editor

CRANKUP TOWERS -- FREE STANDING - TOWERMASTER - TMM 454-SS - 54' - 12 sqft at 50MPH - list $890. Net $660. F O B woodlake, CA. Larger towers similar savings. TELCOM CO. 4254 Glenn High Rd., Winston-Salem, NC 27107 919 784-8833.

FOR SALE: 10 meter rigs. Lafayette HE-20, 4 chnl TX and tuneable Rx with 29,005 & 29,025 Xtals, a.c. & d.c. power cords, mike and manual $30. Lafayette HE-90, 6 chnl TX & tuneable RX. Dial missing, a.c. cord and mike $25. Boths rigs have new tubes. Polytronics Polycom II, 4 chnls TX & RX with xtals for 29,005 & 29,025, a.c. cord, mike, manual $30. Lafayette Comstat 25B, 23 chnls 28.965 - 29255. Turner plus 2 mike, a.c. & d.c. cords, 4.9 watts output $60. All equipment aligned and working. Old CB rigs, Johnsonviking $20. Realistic TRC-5 ex condx. $20. Lafa yette HE-15B with xtals, excellent condx $50. Will ship UPS. John F. Best WA1YIH, Oak St. Apt. 4E, Freeport, ME 04032 207 865-4506 after 5 p.m.

FOR SALE: Hammarlund HQ-170 receiver, mint $100. Regency HR-440 never used, now in box $230. WANTED: 5 V 15 or 30 Amp CT transformer. Jeff Preston N4NJ, 22316 SW 62nd Ave., Boca Raton, FL 33432 305 482-8457.

ANNUAL FLY-IN. Drive-in Hamfest in Belle Glade is Dec. 9, 1979. Watch for details. Barbara Westwood WB4NGQ, 146 S. Lake Ave., Pahokee, FL 33476.

FREE OFFICIAL NOAA HURRICANE tracking map. Small in size, but very complete. Only 8X10". Printed on both sides. FREE to SKIP members for a No. 10 Self Addressed Stamped Envelope to P.O. Box 501, Miami Springs, FL 33166. Editor

SELL: Want the highest quality transceiver ?? The Kenwood TS-900, PS-900, operation and service manuals cant be topped $645. F. S. McCullough W4WWH, Rte 2 Box 236, Dunnellon, FL 32630.

FOR SALE: DRAKE TR-22 two meter HT $125. ICOM IC-230 2 M. synthesized $200. Dentron tuner 80-10 at $40. Heathkit keyer HD-10 $15. Heathkit solid state receiver $275. Prices firm!! Norm Ward K4RBR, 18811 W. Oakmont Dr., Country Club of Miami, Hialeah, FL 33045 305 823-5437 evenings.

FOR SALE: FCC Class I and II Cram Course Study Guide. 66 pages of concise information. Orig. cost $200. Your cost $15. Dave Burger WB4MDY, 10030 SW 102 Ave.-Road, Miami, FL 33176 305 595-4426.

MUST SELL BEFORE COLLEGE! Ten-tec 315 receiver $150, 45 ft. free standing tower $100. Full size beam 3 el. on 20M and 2 el. on 15M with switching relay $80. Larry Davis WA4QYA, P. O. Box 625, Haines City, FL 33844 or 813 422-4110.

FOR SALE: Heath HW-101 under 6 months old $200. Fred R. Schael W4WGU, 12535 NW 8th Ave., No. Miami, FL 33168 305 681-5950.

SELL: DRAKE 2-B receiver and Drake 2-BQ Q multiflier-speaker. Has 5 xtals for commercial bands, with manual. Real hot set $160. Via UPS. Andy Clark W4IYT, 41 Lenape Drive., Miami Springs, FL 33166 305 888-3874.

FOR SALE: Collins 75S3 rcvr ser. No. 14408, excellent condx. $450. Wing. Collins 32S-1 Xmtr no. 11369 excellent condx. just overhauled by a Collins tech. feb 79 $450. no power supply. Buy both for $800. also wing. Heath SB-650 freq. counter $140. excellent condx no. 04430. $140. David Hall WB4EIN, Rte 3 Box 192, Pensacola, FL 32504 904 477-6888.

KITS! ! ST-5X terminal unit/power supply/AFSK. WRU. RTTY scope amplifier. Write for details: Bomark, Inc. P.O. Box 7116, Hollywood, FL 33021 305 962-7219.

FOR SALE: Regency HRT-2 Handie talkie, 5 chnls 34/94, 52/52, 10/70, 16/76, 31/91, 2 batteries, charger and 2 antennas. Make me an offer. G.E. prog-line, 2 chnl 50 watts 6 meter 52.525/.525 and 52.76/.64. Make offer. Tom Smith WB4RGQ, 25 S. Halifax, Daytona Beach, FL 32018 904 252-2906 after 6 p.m.

WANTED: F250Z-3 Mechanical Filter. Collins part number 522-9080-002. Bill Thomas W4CG, 2372 woodland Terr., Ft. Myers, FL 33907 813 936-4981.

FOR SALE: D.S.I. 3500 freq. counter, seven digit, used one day. Vertually new!! $125. Gary Jacobs WA4PDM, 11180 SW 60 Terr., Miami, FL 33173 305 271-0905.

FOR SALE: Kenwood TS-511s transceiver/PS-511 supply in excellent condition. 500 watts PEP, 300 watts CW. With operating and service manuals and original cartons $400. Heathkit Twoer $15. MFJ 1 amp 12 v.d.c. regulated supply $15. Gary Toncre WA4FZY, 13764 SW 54th La., Miami, FL 33175 305 223-2947.

A RARE BREED ! ! Robyn's constant readout digital 500-A (same as SBE-SB-36) 80-10 plus 11 meters too! This SSB rig need only minor work to S meter circuit. Complete with a.c. power supply. All instructions books for only $300. You pay freight. Joe Garcia WB4TMP, P. O. Box 2757, Key West, FL 33040.

TRANSFORMERS REWOUND! Jess Price W4CLJ, 507 Raehn St., Orlando, FL 32806 Phone 305 425-7251.

SALE: Model 28 KSR teletype, console, 60 and 100 wpm, excellent condition. HAL ST-6 demodulator, rack mounted, both units best offer over $350. Frank Shannon K4GT, 140 Bosphorus Ave., Tampa, FL 33606 813 251-5386.

MOVING -MUST SELL ! ! Best offer all or part. Rohn 50 foot free-standing tower, Ham II rotor, TH6DXS, HW-16 Xcvr, HG10B VFO, DX-60B Xmtr, HA-800B rcvr, phone patch, xtal calibrator. All excellent. Tom Powles WA4HWH, 1683 E. Breezy Lane, West Palm Beach, FL 33409 683-3739 days 686-2216 evenings.

FOR SALE: Hustler 4-BTV vertical trap antenna for 40, 20, 15 & 10 meters $45. plus $3. UPS. Phil White W4TJQ, 2281 NW 21 Pl., Gainesville, FL 32605 904 372-6934.

WANTED: Waters Q multiplier notch filter model 340A for KWM2. Need for parts. Need not be working condition. Bob Lyon K4FXP. 417 Cardinal Dr., Satellite Beach, FL 32937 305 773-8882.

SALE: Kenwood Twins (599D), 7 months new, TH3 Jr, 4 months new with balun, AR-22 with control package $950. Will consider selling seperately. 5C camera lens 16MM $6.00 each or make offer for lot. Bill Banks KA4AYZ, 9880 NW 4th St., Pembroke Pines, FL 33024 305 431-5922.

FOR SALE: Heathkit 303 - 401, speaker, mike, mint condx $475. Standing Wave reflectometer $20. MFJ 160-10 antenna tuner new $20. Slinkly antenna, never used $20. Gary Edwards K4ASM, 516 Crystal Dr., Madeira Beach, FL 33708 813-392-6458.

FOR SALE: SWAN-350 with matching Swan VFO. All in very good condition. Heath of Aubrey Spalding W4DIR forces sale. W. P. Spalding, 6161 SW 42nd Pl., Ft. Lauderdale, FL 33314 305 583-2561.

COMPUTER – Heath video-keyboard H-9 for sale. A. G. Shafer W4SD, 683 SW 7th St. Boca Raton, FL 33432 305 395-5633.

SALE: HEATH SB-200 with 10 meters, brand new, unopened carton $450. E. Friedlander K4HEM, 7481 SW 18 St., Plantation, FL 33317 305 791-7481.

FOR SALE: SWAN TB-3HA 3 element beam, Ham II rotor, Alum-a 25 ft. tower. $300. Ken Morgan AC4J, 10193 SW 202 Terr., Miami, FL 33189 305 233-0115.

ESTATE W4MLO: Drake T4X, R4X, MS4/PS $525. Pick up or you ship. Guice W. Johnson WA4LHO, 190 Crescent Dr., Punta Gorda, FL 33950 813-639-2530.

FOR SALE: COLLINS KWS-1 ser. 1304, 1 Kw, SSB-AM-CW, $395 Collins 75A4, ser. 2665 $250. pick up. Geoorge J. Spahn WA4WZH 11950 NW 29th Manor, Sunrise, FL 33323 305 741-4739.

FOR SALE: Heath SB-104A, perfect condx, complete with power supply, speaker, c.w. filter, noise blanker, six months warranty – $700. Ray Hadaway W4YPL, 1161 - 44 Ave. NE, St. Petersburg, FL 33703 813 822-6703.

At the May meeting of the Everglades QCWA Chapter, Chairman Roy McCarty W9KA/W4RM (left) presented a Golden Anniversary Award to Wray Gillett, K4HA of Ft. Lauderdale. Check in to the State QCWA net Sundays, 12:30 PM on 7247 kHz. Meet old and make new friends. It's F R E E.

Item 3. With RG-8/U no longer being a MIL-SPEC cable, the shielding no longer has to be made so well. The result is cheapened shielding and less density of the braid. This has been cheapened to such an extent that if you bend the cable the braid spreads to leave holes in it so you can see the inner insulation. Therefore, it behooves us to refuse to purchase NON-MIL-SPEC cables. As frequencies get higher, there would be more and more RF leakage thru these poorly made cables. The manufacturers did not cut the price on the NON-MIL-SPEC cables, but merely cheapened them.

Item 4. Theoretically foamed insulation on cables should increase their efficiency. However, there are none of them made to MIL-SPEC so far as shielding, do not have Class 2A jackets, and unless the foam is gas filled to keep moisture from oozing thru the jacket into the foam, are not desirable. Losses go up very rapidly if moisture gets into the foamed insulation.

To Conclude — stick with late types of co-ax using Class 2A jackets and leave the foamed co-ax to TV. Jacket type for co-ax can be checked in the cable makers catalog. Cable jacketed with 2A jacket is normally no more expensive than the older Non-MIL-SPEC cables.

(Compiled from "Amphenol" and "Times Wire & Eng." data reprinted from Q R Z and X-Mitter.)

ATTENTION COMPUTER BUFFS' Have Olivetti printers complete with buffer memories, power supplies and stands, spares $95. each. Bud Miller WA4AIK, 902 Nightingale Ave., Miami Springs, FL 33166 305 887-7655.

FOR SALE: Racks: All standard 19 inch panel space and all enclosed. 6 foot by Par-Metal, back door $35. 16 inch, Bud, black $15. 11 ½", Bud $12. 16", Bud, black $16. 23" grey $18. NO Ship. A. C. Clark W4-IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

COAX' LOW LOSS RG-17AU, 52 ohm, .40 cent per foot. Have male and female connectors also $.250 each. Have 300 feet. No. 8 antenna wire. Can stand up in hurricane .04 per ft. Lapp Steatite insulators: 5½" .90 each, 400 lb test. 10" long by 3/4" round, 300 lb test $1. each. 9½" long X 1" thick, 600 lb test $1.25 each. 11¾" long by 1½" deep, 1000 lb test $1.50 each. These are the finest money can buy. Used by US Govt, NASA, ARINC and many commercial users. How many do you need? ? Also have heavy duty brass U bolts with screw on ends to with-stand 3000 lbs on towers etc. $1.00 each. Why not put it up to stay?? Andy Clark W4IYT 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: HAL DKB-2010 dule mode keyboard with optional 128 buffer, 1-A with manual $295. HAL RVD-1005 RTTY viedo converter - 3 speeds with manual $295. Model 19 printer with punch - 14 typing repref 14 tee-dee, table and power supply excellent shape $200. Conrac-video monitor $25. Norman Goldburg WD4EXF, 1487 NW 27th St., Miami, FL 33142 305 634-3963.

SELL: SWAN 1200Z linear and with 10 meters per factory. New in December 1978 with manual $400. T. B. Castiglia N4BFX, 4857 Philrose Ct., Jacksonville, FL 32217 904 731-2564.

FOR SALE: YAESU FT560, speaker and manual, A-1 condtion $400. Firm! Jose Sabina KI4R, 138 NE 49th St., Miami, FL 33137 305 759-2907.

BUY - SELL - TRADE electronic gear fast in "TRADE-A-RIG." FREE advertising for subscribers one year subscription (24 issues) $9.95 to: Box 845F, Longwood, FL 32750 or use your VISA/Master-Charge to subscribe and place ads by phone call 305 - 339-3990.